

SPARCAST 28 ES PRODUCT INFORMATION

SPARCAST 28 ES is a high strength hydraulic setting refractory castable. It has excellent resistance to thermal shock and withstands heavy loads and mechanical abuse.

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
Dry Castable Requirement	128 - 132 lbs./cu.ft.
Approximate Water for Pouring	1.25gal. /100 lbs.
Bulk Density after 230°F	130 - 135 lbs./cu.ft

Modulus of rupture	
After Drying at 230°F	1000-1400 lbs/sq.in.
After Heating to 1500°F	500-700 lbs/sq.in
After Heating to 2250°F	500-700 lbs/sq.in

Cold Crushing Strength	
After Drying at 230°F	5000-7500 lbs/sq.in.
After Heating to 1500°F	4500-5050 lbs/sq.in
After Heating to 2250°F	3200-3550 lbs/sq.in
After Heating to 2370°F	3000-4500 lbs/sq.in

Linear Change, %	
After Drying at 230°F	0.0 to -0.1
After Heating to 1500°F	0.0 to -0.2
After Heating to 2250°F	-0.2 to -0.3

Typical Chemical Analysis, %	
Al ₂ O ₃	42.30
SiO ₂	47.40
CaO	6.20
Fe ₂ O ₃	1.60
TiO ₂	1.70
MgO	0.40
Alkalis	0.40

The above are average results and do not constitute a specification.

SPARCAST 28 ES is available in 50# and 100# bags, or in a variety of bulk bag weights, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE